



## ESI - PR3860 - HIGH TEMPERATURE SENSOR

PR3860EX0025BA  
4-20mA, 0..25 bar, G1/2 flush, DIN, Ex

- Thick film sensor technology for long service life
- Pressure ranges up to 400 bar
- Up to 250°C media temperature option
- Easy clean flush membrane to prevent clogging



### PRODUCT DESCRIPTION

The PR3860 high temperature pressure transmitter has been designed to meet the requirements of the majority of industrial pressure measurement applications where a hygienic flush diaphragm connection is required. Suitable for use at media temperature up to 250°C. Typical applications include food processing, pharmaceutical and petrochemical. The flush membrane can be easily cleaned for long term reliability and outstanding performance. The PR3860 offers a stable and accurate output signal of 4-20 mA with options for 0-5 Vdc, 0-10 Vdc, 0-20 mA and other output signals. Electrical connection is via a detachable DIN connector allowing easy access to zero and span adjustment. Pressure ranges available from 0-10 bar to 0-400 bar.

Optional weldable boss is available to ensure flush-face installation of transmitter to tanks and pipe-work.

An optional ATEX and IECEx approved version of this product is available for explosion protection for flammable gases (zone 0), dusts (zone 20) and mining areas (group I M1).

### TECHNICAL DATA

Ambient temperature	-20..85°C
Approvals	CE, IEC
ATEX approved	Yes
Electrical connection	DIN A 43650
EMC	EN61000-6-2, EN61000-6-4
EX approvals	Ex II 1 D Ex ia IIC T135 °C Da, Ex II 1 G Ex ia IIC T4 Ga, Ex I M 1 Ex ia I Ma
Linearity	≤±0.3% BSFL
Material of wetted parts	Stainless steel 316L
Media temperature	0..205°C
Output	4-20 mA

Overpressure protection	37.5 bar
Pressure range max	25 bar
Pressure range min	0 bar
Pressure reference	Gauge
Process connection	G1/2" flush diaphragm
Sensor technology	Ceramic thick film
Storage temperature	5..40°C
Supply voltage	13-36 V DC

